

04011 (Drilling)

WW Engineering & Science, Inc.



5555 Glenwood Hills Parkway SE • PO Box 874 • Grand Rapids, MI 49588-0874 • (616) 942-9600, Fax (616) 942-6499

July 14, 1992

US EPA RECORDS CENTER REGION 5



468022

Mr. Gerald H. Degler
Bowser-Morner, Inc.
4518 Taylorsville Road
P.O. Box 51
Dayton, OH 45401

RE: U.S. EPA ARCS CONTRACT NO. 68-W8-0079
DRILLING AND INSTALLATION OF MONITORING WELLS
Albion-Sheridan Township Landfill Site, Albion, Michigan

Dear Mr. Degler:

Thank you for attending the pre-bid meeting on July 9, 1992 for the subcontract for drilling and installation of monitoring wells at the Albion-Sheridan Township Landfill site. The drilling firms that attended the meeting and site visit, and are thus eligible to bid, are listed below:

- Bowser-Morner
Dayton, OH
- Boyles Bros. Drilling Company
Murfreesboro, TN
- Coleman Engineering Company
Iron Mountain, MI
- Environmental Drilling & Services, Inc.
Howell, MI
- Exploration Technology
Madison, WI
- Layne Northern Company
St. Louis, MO
- Mason de Verteuil Geotechnical Services
Columbus, OH
- R&R International
Akron, OH
- Stearns Drilling Company
Dutton, MI
- Testing Engineers & Consultants, Inc.
Troy, MI

Regarding several questions raised at the pre-bid meeting, the following clarifications are provided.

1. Definition of a Day

Any references to days in these specifications refer to calendar days as defined on page 00701.2.

2. Drilling and Decontamination Water

The PRIME CONTRACTOR will be responsible for payment of all fees charged by the water supplier for water obtained from the approved water source. The SUBCONTRACTOR shall be responsible for physically obtaining the water and transporting it to the site as specified on page 01010.10. Tentative arrangements have been made to obtain the water from a hydrant outside the City of Albion's water department building at 507 North Albion Street.

3. Formation Waters

For bidding purposes it shall be assumed that formation waters produced in the course of drilling will not be collected.

4. Drilling Crew

A 3-man drilling crew is required for each drill rig as specified on page 01010.7.

5. Drilling Rigs

It is anticipated that the use of two (2) drilling rigs working simultaneously may be necessary to meet the 120-day completion period for this subcontract. The PRIME CONTRACTOR will authorize the use of two (2) drilling rigs for all glacial well installation and may authorize the use of two (2) drilling rigs for other drilling activities.

6. 6-Inch Casing

The 6-inch diameter polyvinyl chloride (PVC) casing required to case off glacial materials in each bedrock well shall be installed through hollow-stem augers as specified on page 01010.5. It is assumed that the degree of cementation of the sandstone bedrock will allow this method of installation. Other drilling methods, such as fluid rotary or cable tool drilling methods, will not be considered at this time.

7. Permits and Easements

As specified on page 00100.2, all necessary rights of way, land easements, and other interest in land have been secured by the U.S. EPA. Other permits and licenses necessary for the work shall be obtained and paid for by the SUBCONTRACTOR as specified on page 00800.1.

It is anticipated that the location for MW-1 will be within the highway right-of-way for State Route 99, therefore, the cost to obtain any permits necessary to drill at this location should be included in the bid. It is not anticipated that any of the drilling locations will be located within the railroad right-of-way, or in areas that will require access permits from the railroad.

8. Packers for Vertical Ground Water Sampling

A k-packer or inflatable packer will be allowed for isolating the screened interval during the vertical ground water sampling of the bedrock described on page 01010.6.

9. Bedrock Coring

The coring of bedrock described on page 01010.5 shall be accomplished with air coring techniques.

10. Unit Price and Lump Sum Bid Form

Item 5Bc on page 00300.7 of the Unit Price Lump Sum Bid Form distributed at the pre-bid meeting should indicate 4.25-inch ID hollow-stem auger drilling with no sampling, not 5.25-inch ID. Please indicate this correction on the copy you submit with your bid.

We hope this letter of clarification addresses all of the questions raised at the pre-bid meeting. Please be sure to include one completed copy of the Unit Price and Lump Sum Bid Form distributed at the pre-bid meeting when submitting your bid. Also, be sure to include a list of major equipment to be used on this job and a brief biography of related experience for each employee to be actively involved with your submittal.

Copies of well logs for three monitoring wells installed on the Albion-Sheridan Township Landfill site in 1980 are enclosed for your use.

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Thank you again for attending the pre-bid meeting and we hope to receive a bid proposal from your company.

Very truly yours,

WW ENGINEERING & SCIENCE
ARCS Program Management Office

A handwritten signature in cursive script, reading "Carl A. Malsom".

Carl A. Malsom
ARCS Program Manager

Enclosure

cc: Reading File, 04011(s), 32



5555 Glenwood Hills Pkwy SE • PO Box 874 • Grand Rapids, MI • 49588-0874

a member of Summit Environmental Group, Inc.

(313) 588-6200

04011.02

Mr. Carey Shuhan
Testing Engineers & Consultants, Inc.
1333 Rochester Road
Troy, MI 48099



WW Engineering & Science

5555 Glenwood Hills Pkwy SE • PO Box 874 • Grand Rapids, MI • 49588-0874

a member of Summit Environmental Group, Inc.

(216) 666 2200

04011.02

Mr. Victor A. Evangelist
R&R International, Inc.
1234 S. Cleveland-Massillon Road
Akron, OH 44321



5555 Glenwood Hills Pkwy SE • PO Box 874 • Grand Rapids, MI • 49588-0874

a member of Summit Environmental Group, Inc.

(616) 698-7770

04011.02

Stearns Drilling Company
6875 Industrial Park
Dutton, MI 49316



WW Engineering & Science

5555 Glenwood Hills Pkwy SE • PO Box 874 • Grand Rapids, MI • 49588-0874

a member of Summit Environmental Group, Inc.

(614) 848-4141

04011.02

Mr. Bruce Markey
Mason de Verteuil Geotechnical Services
6121 Huntley Road
Columbus, OH 43229-1003

Mr. Doug Hardrath
Boyles Brothers Drilling Company
803 Samsonite Blvd.
Murfreesboro, TN 37130

Mr. Gerald H. Degler
Bowser-Morner, Inc.
4518 Taylorsville Road
Dayton, OH 45401



5555 Glenwood Hills Pkwy SE • PO Box 874 • Grand Rapids, MI • 49588-0874

(517) 546-2470

a member of Summit Environmental Group, Inc.

04011.02

Mr. Martin Puffpaff
Environmental Drilling & Services, Inc.
7221 Highland Road
Howell, MI 48843



5555 Glenwood Hills Pkwy SE • PO Box 874 • Grand Rapids, MI • 49588-0874

(906) 774-3440

a member of Summit Environmental Group, Inc.

04011.02

Mr. Anthony R. Pawloski
Coleman Engineering Company
635 Industrial Park Drive
Iron Mountain, MI 49801



5555 Glenwood Hills Pkwy SE • PO Box 874 • Grand Rapids, MI • 49588-0874

(314) 343-3700

a member of Summit Environmental Group, Inc.

04011.02

Mr. Michael J. Donnelly
Layne-Western Company, Inc.
Northern Region Headquarters
2399 Cassens Drive
St. Louis, MO 63026-1146



5555 Glenwood Hills Pkwy SE • PO Box 874 • Grand Rapids, MI • 49588-0874

(608) 258-9550

a member of Summit Environmental Group, Inc.

04011.02

Mr. Thomas C. Ruda
Exploration Technology, Inc.
1402 Emil Street
Madison, WI 53715